

Decide What to Do

The cars have numbers and colors. You can see that both the numbers and the colors follow a pattern.

Ask How can I find the color of car 350?

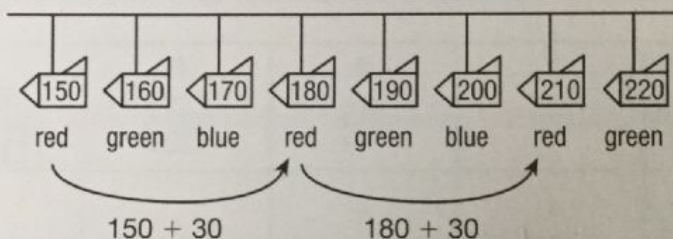
- I can use the strategy *Look for a Pattern*.
- Since red is the first color in the pattern, I can start by finding the rule for the pattern of red cars.
- I can continue the pattern until I get close to the number 350. Then I can find the color of car 350.



Finding a pattern can help you do fewer calculations when you solve problems.

Use Your Ideas

Step 1 Find the number pattern of the red cars. The number on the next red car after car 180 is _____.



Write the pattern for the numbers of the red cars.

180, 210, 240, 270, _____, _____, _____

So the color of car 360 is _____.

Step 2 Use the color of car 360 to find the color of car 350.

What color comes before red in the pattern? _____

So the color of car 350 will be _____.

Review Your Work

You know car 170 is blue. Count up by 30s from 170 to check if 350 is on your list. If it is, you know car 350 is blue.

Describe How did the diagram help you solve the problem?
